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Abstract

TECHNOLOGICAL STUDY OF ORGANIC COOLING FLUIDS

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Under contract to Euratom (MM. VAN der VENNE and HANNAERT), the C.E.A. and the Progil Society have collaborated on a technological study of the terphenyls. The results obtained from the radiolysis and pyrolysis of the product OM2 (70 p.100 m-terphenyl, 25 p.100 o-terphenyl, 5 p.100 p-terphenyl) are reported. Using two pile loops at temperatures up to 450°C, a phenomena of accelerated pyrolysis on the radiolysed material has been demonstrated.
Some by - products of the petroleum industry have also been studied, with a view to finding substitutes for terphenyl.

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